



BRUHAT BANGALORE MAHANAGARA PALIKE
MEASUREMENT SHEET
PRE-MEASUREMENT

Name of work: Improvements to Roads and Drains at Doddabommasandra and Surrounding area in Ward No. 10 (Doddabommasandra).

Estimated Cost : Rs. 40.00 Lakhs

Job Code: 010-20-000070

Head of Account : P-3296 14th Finance Grant

Name of Agency: Sri K.V Subba Reddy, # 106/B, Aswathanagara, RMV 2nd Stage, Bangalore - 94.

Work order No: BBMP/EE/BTP/WO/105/2020-21 Dated: 11-09-2020.

Date of Recording:									
SI No	Description of work		Mesurement					Qty	
		Unit	No.	L	B1	B2	Av.,B		D
1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(P.No-143 &136 ,I No-19.1&17.4& 17.1)								
	New Drain								
	1st Cross Seetamma Layout E/S		1	30.00			1.20	1.05	37.80
			1	30.00			1.20	1.05	37.80
			1	30.00			1.20	1.05	37.80
			1	30.00			1.20	1.05	37.80
			1	30.00			1.20	1.05	37.80
			1	30.00			1.20	1.05	37.80
			1	30.00			1.20	1.05	37.80
			1	10.50			1.20	1.05	13.23
	1st Cross Seetamma Layout W/S		1	30.00			1.60	1.20	57.60
			1	6.00			1.60	1.20	11.52
	Venugopal Swammy Temple		1	14.00			1.60	1.20	26.88
	For Culvert								
	1st A Cross Seethamma Layout		1	3.60			2.10	1.10	8.32
	1st B Cross Seethamma Layout		1	4.80			2.10	1.10	11.09
	1st C Cross Seethamma Layout		1	5.40			2.10	1.10	12.47
	Near KK Layout		1	6.80			2.10	1.10	15.71
	Venkatagiriappa Layout 5th Cross		1	5.30			2.10	1.10	12.24
	Venkatagiriappa Layout 4th Cross near Muneshwara Temple		1	5.00			2.10	1.10	11.55
	2nd Cross Venkatagiriappa Layout		1	3.20			2.10	1.10	7.39
	Drain Desilt								
	1st Cross Seetamma Layout	Cum	1	30.00			0.60	0.55	9.90
			1	30.00			0.60	0.55	9.90
			1	30.00			0.60	0.55	9.90
			1	30.00			0.60	0.55	9.90

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SI No	Description of work	Measurement							Qty
		Unit	No.	L	B1	B2	Av.,B	D	
			1	30.00			0.60	0.55	9.90
			1	25.00			0.60	0.55	8.25
			Total Qty =						510.35
	Total		Qty Limited to =						510.15

Suetha NK
 Assistant Engineer 19/09
 Ward No. 10

[Signature]
 Assistant Executive Engineer
 Vidyananyapura Sub Division
 BBMP, Bangalore - 97

SI No	Description of work	Measurement							Qty
		Unit	No.	L	B1	B2	Av.,B	D	
	Date of Recording:								
3	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications.								
	New Drain								
	1st Cross Seetamma Layout E/S		1	30.00			1.20	0.15	5.40
			1	30.00			1.20	0.15	5.40
			1	30.00			1.20	0.15	5.40
			1	30.00			1.20	0.15	5.40
			1	30.00			1.20	0.15	5.40
			1	30.00			1.20	0.15	5.40
			1	10.50			1.20	0.15	1.89
	1st Cross Seetamma Layout W/S		1	30.00			1.60	0.15	7.20
			1	6.00			1.60	0.15	1.44
	Venugopal Swammy Temple		1	14.00			1.60	0.15	3.36
	For Culvert								
	1st A Cross Seethamma Layout		1	3.60			2.00	0.15	1.08
	1st B Cross Seethamma Layout		1	4.80			2.00	0.15	1.44
	1st C Cross Seethamma Layout		1	5.40			2.00	0.15	1.62
	Near KK Layout		1	6.80			2.00	0.15	2.04
	Venkatagiriappa Layout 5th Cross		1	5.30			2.00	0.15	1.59
	Venkatagiriappa Layout 4th Cross near Muneshwara Temple		1	5.00			2.00	0.15	1.50
	2nd Cross Venkatagiriappa Layout		1	3.20			2.00	0.15	0.96
	For Side Drain Filling								
	1st Cross Seetamma Layout E/S		1	30.00			0.15	0.10	0.45
			1	30.00			0.15	0.10	0.45
			1	30.00			0.15	0.10	0.45
			1	30.00			0.15	0.10	0.45
			1	30.00			0.15	0.10	0.45
			1	30.00			0.15	0.10	0.45
			1	30.00			0.15	0.10	0.45
			1	10.50			0.15	0.10	0.16
			Total Qty =						65.23
			Qty Limited to =						65.09

Sunitha - N.C.
Assistant Engineer 21/09
Ward No. 10

Assistant Executive Engineer
Vidyanarayana Sub Division
BBMP, Bangalore - 97

SI No	Description of work	Measurement							Qty
		Unit	No.	L	B1	B2	Av.,B	D	
	Date of Recording:								
5	KSRB M2200-6 Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. MORTH Specification NO.1600&2200Specification No. Pg No.229 Item No.28.8.2								
	RCC Drain Dia	No	L	Mtrs	Kg/m	Kgs			
		Tonne							
	10 mm	1128	2.30	2594.40	0.62	1608.53			
	8 mm	20	220.50	4410.00	0.39	1719.90			
	10 mm	400	2.60	1040.00	0.62	644.80			
	8 mm	20	36.00	720.00	0.39	280.80			
	10 mm	158	2.60	405.60	0.62	251.47			
	8 mm	20	14.00	280.00	0.39	109.20			
	Culverts								
	16 mm	2x40	3.40	272.00	1.58	429.76			
	12 mm	2x23	3.60	165.60	0.89	147.38			
	16 mm	2x54	3.40	367.20	1.58	580.18			
	12 mm	2x23	4.80	220.80	0.89	196.51			
	16 mm	2x60	3.40	408.00	1.58	644.64			
	12 mm	2x23	5.40	248.40	0.89	221.08			
	16 mm	2x76	3.40	516.80	1.58	816.54			
	12 mm	2x23	6.80	312.80	0.89	278.39			
	16 mm	2x59	3.40	401.20	1.58	633.90			
	12 mm	2x23	5.30	243.80	0.89	216.98			
	16 mm	2x58	3.40	380.80	1.58	601.66			
	12 mm	2x23	5.00	230.00	0.89	204.70			
	16 mm	2x38	3.40	244.80	1.58	386.78			
	12 mm	2x23	3.20	147.20	0.89	131.01			
						10104.22			
		Total Qty =				10.10			
		Qty Limited to =				10.10			

Suretha N L
Assistant Engineer 28/09
Ward No. 10

Assistant Executive Engineer
Vidyaranyapura Sub Division

SI No	Description of work	Measurement							Qty
		Unit	No.	L	B1	B2	Av.,B	D	
	Date of Recording:								
9	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tipper, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specification No.301 Loading and unloading with 10km lead= (I No-19.14,P No-143)								
	Near KK Layout		1	16.50	5.60	5.70	5.65	0.15	13.98
			1	23.50	5.10	5.20	5.15	0.15	18.15
			1	8.00	5.60	5.50	5.55	0.15	6.66
			Total Qty =						38.80
			Qty Limited to =						38.61

Smith - xix
Assistant Engineer 20/09.
Ward No. 10

CSR
Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

SI No	Description of work	Measurement							Qty
		Unit	No.	L	B1	B2	Av.,B	D	
	Date of Recording:								
10	KSRRB M300-53. Construction of embankment with approved material Gravel/Murum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murum, watering charges & compaction by vibratory roller to 95% of modified proctors density. MORTH Specification No. 305								
	Near KK Layout		1	16.50	5.60	5.70	5.65	0.35	32.63
			1	23.50	5.10	5.20	5.15	0.35	42.36
			1	8.00	5.60	5.50	5.55	0.35	15.54
			Total Qty =						90.53
			Qty Limited to =						90.09

Srineth N K
Assistant Engineer
Ward No. 10

[Signature]
Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 56

Sl No	Description of work	Measurement							Qty
		Unit	No.	L	B1	B2	Av.,B	D	
	Date of Recording:								
11	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2								
	Near KK Layout		1	30.00	5.50	5.40	5.45	0.15	24.53
			1	20.00	5.40	5.50	5.45	0.15	16.35
			Total Qty =						40.88
			Qty Limited to =						38.61

S. S. S. S.
Assistant Engineer
Ward No. 10

A. R. S.
Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97